

Title (en)
AN IP BASED CELLULAR COMMUNICATION SYSTEM UTILIZING ADVANCED TUNNELS AND ENCAPSULATION METHODS USEFUL IN CONJUNCTION THEREWITH

Title (de)
IP-BASIERTES ZELLKOMMUNIKATIONSSYSTEM MIT ERWEITERTEN TUNNELN SOWIE DAFÜR NÜTZLICHE VERKAPSELUNGSVERFAHREN

Title (fr)
SYSTÈME DE COMMUNICATION CELLULAIRE FONDÉ SUR IP UTILISANT DES TUNNELS AVANCÉS ET PROCÉDÉS D'ENCAPSULATION UTILES CONJOINTEMENT AVEC CELUI-CI

Publication
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Application
EP 12754652 A 20120308

Priority
• US 201161451339 P 20110310
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Abstract (en)
[origin: WO2012120519A1] A communication system comprising moving relay/s including base- and mobile- station functionality and a radio manager, all co-located, emergency moving relay/s further including a simulated stationary network that includes a simulated IP connectivity gateway communicating with a simulated mobility management entity and simulating the operation of a stationary network; the emergency moving relay being a root of a subtree including moving relay/s and mobile station/s, and utilizing its mobile- station functionality, base station functionality and radio manager for normal and emergency operation including communicating to a designated mobile station in the subtree each message received from a moving relay or mobile station in the subtree, the message having an IP address of the designated mobile station; or communicating to the simulated stationary network each message received from a moving relay/mobile station in the subtree and having an IP address not matching any mobile station in the subtree.

IPC 8 full level
H04W 8/26 (2009.01); **H04W 4/40** (2018.01); **H04W 4/90** (2018.01); **H04W 8/08** (2009.01); **H04W 76/10** (2018.01); **H04W 76/11** (2018.01); **H04W 76/12** (2018.01); **H04W 80/04** (2009.01)

CPC (source: EP IL KR US)
H04B 7/15542 (2013.01 - EP IL US); **H04B 7/1555** (2013.01 - IL US); **H04B 7/2606** (2013.01 - EP IL US); **H04J 11/005** (2013.01 - IL US); **H04J 11/0056** (2013.01 - IL US); **H04L 1/0018** (2013.01 - IL US); **H04L 61/2517** (2013.01 - IL US); **H04W 4/40** (2018.01 - IL US); **H04W 4/90** (2018.01 - EP IL US); **H04W 8/085** (2013.01 - EP IL US); **H04W 8/26** (2013.01 - EP IL US); **H04W 16/26** (2013.01 - KR); **H04W 28/0215** (2013.01 - IL US); **H04W 28/0268** (2013.01 - IL US); **H04W 28/14** (2013.01 - IL US); **H04W 36/04** (2013.01 - IL US); **H04W 40/00** (2013.01 - IL); **H04W 40/02** (2013.01 - IL US); **H04W 40/22** (2013.01 - IL US); **H04W 72/00** (2013.01 - IL); **H04W 72/02** (2013.01 - IL US); **H04W 72/0453** (2013.01 - EP IL US); **H04W 72/21** (2023.01 - IL US); **H04W 72/23** (2023.01 - IL US); **H04W 72/30** (2023.01 - IL US); **H04W 76/10** (2018.01 - EP IL US); **H04W 76/11** (2018.01 - IL US); **H04W 76/12** (2018.01 - EP IL US); **H04W 80/04** (2013.01 - IL); **H04W 84/005** (2013.01 - IL); **H04W 84/02** (2013.01 - KR); **H04W 84/045** (2013.01 - IL); **H04W 84/047** (2013.01 - IL); **H04W 88/04** (2013.01 - IL); **H04W 88/08** (2013.01 - IL); **H04W 88/16** (2013.01 - IL); **H04L 2212/00** (2013.01 - IL US); **H04W 40/00** (2013.01 - EP US); **H04W 72/00** (2013.01 - EP US); **H04W 80/04** (2013.01 - EP US); **H04W 84/005** (2013.01 - EP US); **H04W 84/045** (2013.01 - US); **H04W 84/047** (2013.01 - EP US); **H04W 88/04** (2013.01 - US); **H04W 88/08** (2013.01 - US); **H04W 88/16** (2013.01 - US)

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WO 2012120519 A1 20120913; WO 2012120519 A4 20121101; BR 112014019977 A2 20170613; CN 103748807 A 20140423; CN 103748807 B 20170714; CN 103858481 A 20140611; CN 104205665 A 20141210; CN 104205665 B 20180119; EP 2684298 A2 20140115; EP 2684298 A4 20141210; EP 2684395 A1 20140115; EP 2684395 A4 20141217; EP 2684395 B1 20230712; EP 2684418 A2 20140115; EP 2684418 A4 20150304; EP 2684418 B1 20170927; EP 2813006 A1 20141217; EP 2813006 A4 20150930; ES 2955691 T3 20231205; IL 218046 B 20181129; IL 221322 A 20160929; IL 228308 A 20170731; IL 228309 B 20180228; IL 228310 A 20170430; IL 247652 A0 20170131; IL 251654 A0 20170629; IL 251654 B 20190530; IL 253585 A0 20170928; IL 253585 B 20190731; IL 263454 B 20210228; IN 1707MUN2013 A 20150612; IN 7616DEN2014 A 20150515; KR 20140016325 A 20140207; KR 20140044312 A 20140414; PT 2684395 T 20230919; SG 10201601557P A 20160428; SG 10201601559W A 20160428; SG 10201606612S A 20161028; SG 11201404631X A 20140926; SG 193394 A1 20131030; SG 193395 A1 20131030; SG 193397 A1 20131030; US 10098053 B2 20181009; US 10257767 B2 20190409; US 10356688 B2 20190716; US 10455477 B2 20191022; US 11129080 B2 20210921; US 2014071884 A1 20140313; US 2014087736 A1 20140327; US 2014155019 A1 20140605; US 2015016330 A1 20150115; US 2016157076 A1 20160602; US 2016345161 A1 20161124; US 2017280311 A1 20170928; US 2017295535 A1 20171012; US 2018279106 A1 20180927; US 2020145899 A1 20200507; US 9220048 B2 20151222; US 9369941 B2 20160614; US 9544830 B2 20170110; US 9668195 B2 20170530; US 9936367 B2 20180403; WO 2012120510 A2 20120913; WO 2012120510 A3 20121026; WO 2012120515 A2 20120913; WO 2012120515 A3 20121026

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